

Please type a plus sign (+) inside this box



07-02-01

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 1082-143

First Inventor Kenneth P. Wilson

Title ROCKET ASSEMBLY ABLATIVE MATERIALS, AND METHOD FOR  
INSULATING OR THERMALLY PROTECTING A ROCKET  
ASSEMBLY

Express Mail Label No. EL918000147US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 15]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2]  
5. Oath or Declaration [Total Pages 1]  
a. ☒ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☒ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☒ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_ /

Prior application information: Examiner \_\_\_\_

Group / Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied  
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Labelor ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name	Sullivan Law Group				
Address	5060 North 40th Street Suite 120				
City	Phoenix	State	Arizona	Zip Code	85018
Country	USA	Telephone	602 956 6161	Fax	602 956 6262

Name (Print/Type)	David S. Taylor	Registration No. (Attorney/Agent)	39,045
Signature		Date	June 29, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any  
comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark  
Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO Assistant Commissioner for  
Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

**FEE TRANSMITTAL  
for FY 2001**


Patent fees are subject to annual revision.

**Complete if Known**

Application Number	Not Yet Assigned
Filing Date	June 29, 2001 (Herewith)
First Named Inventor	Kenneth P. Wilson
Examiner Name	Not Yet Assigned
Group / Art Unit	Not Yet Assigned
Attorney Docket No.	1082-143

**TOTAL AMOUNT OF PAYMENT** (\$) 750

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																														
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to.  Deposit Account Number: 501324  Deposit Account Name: Sullivant Law Group  <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40</td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table>		Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet.		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month		118	1,390	218	695	Extension for reply within fourth month		128	1,890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	130	123	130	Petitions related to provisional applications		126	180	126	180	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)	40	146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))		149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application	
Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																												
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																												
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																												
139	130	139	130	Non-English specification																																																																																																																																																																												
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																												
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																												
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																												
115	110	215	55	Extension for reply within first month																																																																																																																																																																												
116	390	216	195	Extension for reply within second month																																																																																																																																																																												
117	890	217	445	Extension for reply within third month																																																																																																																																																																												
118	1,390	218	695	Extension for reply within fourth month																																																																																																																																																																												
128	1,890	228	945	Extension for reply within fifth month																																																																																																																																																																												
119	310	219	155	Notice of Appeal																																																																																																																																																																												
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																												
121	270	221	135	Request for oral hearing																																																																																																																																																																												
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																												
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																												
141	1,240	241	620	Petition to revive - unintentional																																																																																																																																																																												
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																												
143	440	243	220	Design issue fee																																																																																																																																																																												
144	600	244	300	Plant issue fee																																																																																																																																																																												
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																												
123	130	123	130	Petitions related to provisional applications																																																																																																																																																																												
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																																												
581	40	581	40	Recording each patent assignment per property (times number of properties)	40																																																																																																																																																																											
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																												
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																												
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																												
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																												
2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																																																																																																
<b>FEE CALCULATION</b> 1. BASIC FILING FEE <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>710</td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table> SUBTOTAL (1) (\$) 710		Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	101	710	201	355	Utility filing fee	710	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee																																																																																																																																												
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																											
101	710	201	355	Utility filing fee	710																																																																																																																																																																											
106	320	206	160	Design filing fee																																																																																																																																																																												
107	490	207	245	Plant filing fee																																																																																																																																																																												
108	710	208	355	Reissue filing fee																																																																																																																																																																												
114	150	214	75	Provisional filing fee																																																																																																																																																																												
2. EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>-20</td> <td>0</td> <td>0</td> </tr> <tr> <td>Independent Claims</td> <td>2</td> <td>-3</td> <td>0</td> </tr> <tr> <td>Multiple Dependent</td> <td>0</td> <td></td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table> SUBTOTAL (2) (\$) 0		Total Claims	Extra Claims	Fee from below	Fee Paid	12	-20	0	0	Independent Claims	2	-3	0	Multiple Dependent	0		0	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	80	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	80	209	40	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																												
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																													
12	-20	0	0																																																																																																																																																																													
Independent Claims	2	-3	0																																																																																																																																																																													
Multiple Dependent	0		0																																																																																																																																																																													
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																											
103	18	203	9	Claims in excess of 20																																																																																																																																																																												
102	80	202	40	Independent claims in excess of 3																																																																																																																																																																												
104	270	204	135	Multiple dependent claim, if not paid																																																																																																																																																																												
109	80	209	40	** Reissue independent claims over original patent																																																																																																																																																																												
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																												
**or number previously paid, if greater; For Reissues, see above		Other fee (specify)  *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40																																																																																																																																																																														

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	David S. Taylor	Registration No. Attorney/Agent	39,045
Signature		Telephone	202 661 6114
		Date	June 29, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

06/29/01  
jc813 U.S. PTO

# Sullivan Law Group

A Professional Corporation

5060 North 40th Street, Suite 120  
Phoenix, Arizona 85018-2140  
Telephone (602) 956-6161  
Facsimile (602) 956-6262

Patents, Trademarks, Copyrights,  
Related Intellectual Property Law  
Federal Government Procurement Law

1200 G Street, N.W., Suite 800  
Washington, D.C. 20005  
Telephone (202) 661-6114  
Facsimile (202) 661-6117

June 29, 2001

## ***Via Express Mail***

BOX PATENT APPLICATION  
Assistant Commissioner  
for Patents  
U.S. Patent and Trademark Office  
Washington, D.C. 20231

***Re: Filing New Utility Patent Application Entitled  
"ROCKET ASSEMBLY ABLATIVE MATERIALS, AND  
METHOD FOR INSULATING OR THERMALLY  
PROTECTING A ROCKET ASSEMBLY"  
Our Ref.: 1082-143***

---

Dear Sir:

We hereby submit the following documents in connection with the filing of this new utility patent application entitled, "ROCKET ASSEMBLY ABLATIVE MATERIALS, AND METHOD FOR INSULATING OR THERMALLY PROTECTING A ROCKET ASSMEBLY," inventor Kenneth P. Wilson, an individual residing at 2430 NE Promontory Road, Corinne, Utah 84307:

1. Application for Patent Cover Sheet (1 sheet);
2. Specification and Claims (14 pages) including 2 independent claims and 12 claims total;
3. Formal Drawings (FIGS. 1, 1A, and 2, on 2 sheets)
4. Abstract of the Disclosure (1 page);
5. Declaration (1 page);

Assistant Commissioner  
for Patents  
June 29, 2001  
Page 2

6. Assignment (2 pages);
7. Assignment Recordation Cover Sheet (1 page);
8. Information Disclosure Statement, Form PTO-1449, and documents cited therein;
9. Certificate of Express Mailing (attached);
10. Postcard for receipt acknowledgment; and
11. Fee Transmittal for the \$710 filing fee and \$40 Assignment fee (1 sheet, 2 copies).

The Commissioner is hereby authorized our Deposit Account No. 501324 for this amount. If there are any other fees due in connection with the filing of this application or otherwise relating to this application, please charge the fees to our Deposit Account No. 501324.

Please accord this application a serial number and the filing date of **June 29, 2001**.

This application claims priority of U.S. Provisional Application 60/215,064, the disclosure of which is incorporated by reference.


Please send all correspondence to the following address:

Sullivan Law Group  
5060 North 40<sup>th</sup> Street  
Suite 120  
Phoenix, Arizona 85018

Assistant Commissioner  
for Patents  
June 29, 2001  
Page 3

Please give us a call if you have any questions or wish to discuss this matter.

Sincerely,

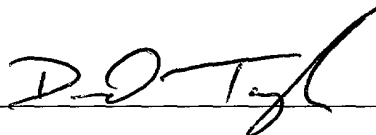
  
Stephen T. Sullivan  
David S. Taylor

STS/DST/lam  
Enclosures

Express Mail Label No. EL918000147US

Date of Deposit June 29, 2001

I hereby certify that the attached application is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed, BOX PATENT APPLICATION, Assistant Commissioner for Patents, U.S. Patent and Trademark Office, Washington, D.C. 20231.

  
\_\_\_\_\_

FD-520 (Rev. 6-7-95)


**In re Wilson -- New Application Filed Herewith**

**1082-143**

Express Mail Label No. EL918000147US

Date of Deposit June 29, 2001

I hereby certify that the attached Information Disclosure Statement is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed, BOX PATENT APPLICATION, Assistant Commissioner for Patents, U.S. Patent and Trademark Office, Washington, D.C. 20231.

  
\_\_\_\_\_

096439-062901  
T06290" 62496860